

REMARKS

Applicant respectfully requests reconsideration of this application.

Claims 1-2, 4-13, 15-18 and 20-22 are pending in this application.

Claim 14 has been cancelled.

No claims have been added.

Claims 1, 7, 9, 15, 17-18 and 20 have been amended.

Claims 1-2, 4-13, 15-18 and 20-22 were rejected under 35 U.S.C. §103(a) as being considered unpatentable over U.S. Patent No. 3,346,032 issued to Gulistan (hereinafter referred to as "Gulistan") in view of U.S. Patent No. 5,785,449 issued to DiBene (hereinafter referred to as "DiBene") and U.S. Patent No. 5,743,692 issued to Schwarz (hereinafter referred to as "Schwarz").

35 U.S.C. § 103(a) Rejection of Claims 1-2, 4-13, 15-18 and 20-22

The Examiner has rejected claims 1-2, 4-13, 15-18 and 20-22 under 35 U.S.C. § 103(a) as being considered to be unpatentable over Gulistan in view of DiBene and Schwarz. To establish prima facie obviousness of a claimed invention, all the claim limitations must be taught or suggested by the prior art. In re Royka, 490 F.2d 981, 180 USPQ 580 (CCPA 1974). (MPEP 2143.03). Applicant respectfully submits that, as discussed above,

Regarding at least independent claims 1, 9 and 17, Applicant respectfully submits that none of Gulistan, DiBene or Schwarz teach or suggest soldering anything to a solder ring placed on the surface of the material of a printed circuit board, itself. Gulistan teaches a purely mechanical fastening arrangement in which a portion of a sleeve of a captive screw is inserted through a hole formed in a workpiece and forming an "upset head" from a portion of that sleeve subsequent to that insertion. DiBene teaches attaching a jackscrew to a metal panel that is then fastened to a printed circuit board, and not attaching a

jackscrew to a printed circuit board, directly, in any way. Schwarz teaches another purely mechanical fastening arrangement in which a captive bolt assembly is attached to a panel with rivets, and the panel in Schwarz is part of an inlet for an aircraft engine, not a printed circuit board. Since none of Gulistan, DiBene or Schwarz teach or suggest soldering any form of captive screw or any other mounting apparatus to the material of a printed circuit board, there can be no combination of Gulistan, DiBene and Schwarz that teaches or suggest this limitation.

Regarding claims 2, 4-8, 10-13, 15-16, 18 and 20-22, these claims depend variously from independent claims 1, 9 and 17, which Applicant has asserted are patentably distinguished over any combination of Gulistan, DiBene and Schwarz.

For at least these reasons, Applicant respectfully submits that claims 1-2, 4-8, 13, 15-18 and 20-22 are patentably distinguished over any combination of Gulistan and DiBene, and are in condition for allowance.

Condition for Allowance

Applicant submits that all rejections and objections have been overcome and the present application is now in condition for allowance. If there are any additional charges or shortages related to the present communication, please charge our Deposit Account No. 02-2666.

Respectfully submitted,

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